AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application. Please amend claim 1 as follows:

LISTING OF CLAIMS:

1. (Currently Amended) A memory device comprising:

a memory unit; and

an arbiter controlling said memory unit while arbitrating for bus access requests from a plurality of units <u>outside the memory unit</u>, wherein

when a second bus access request takes place before an access to said memory unit that corresponds to a first bus access request has been completed, said arbiter performs activation of said memory unit that corresponds to said second bus access request in parallel with <u>writing or reading data to/from</u> ~~the access to~~ said memory unit that corresponds to said first bus access request <u>after an address signal is input to said memory unit</u>.

2. (Original) The memory unit according to claim 1, wherein

said arbiter outputs an acknowledge signal that corresponds to said second bus access request before the access to said memory unit that corresponds to said first bus access request has been completed.

3. (Original) The memory device according to claim 1, wherein

said memory unit has a plurality of memory banks, and

said arbiter has a plurality of address ports corresponding to said

plurality of units, and outputs an address corresponding to said second bus access

request to said memory unit in parallel with an access to a first memory bank within

said memory unit that corresponds to said first bus access request to activate a

second memory bank different from said first memory bank.

4. (Original) The memory device according to claim 1, wherein

said memory device contains said plurality of units.